

A

A

B

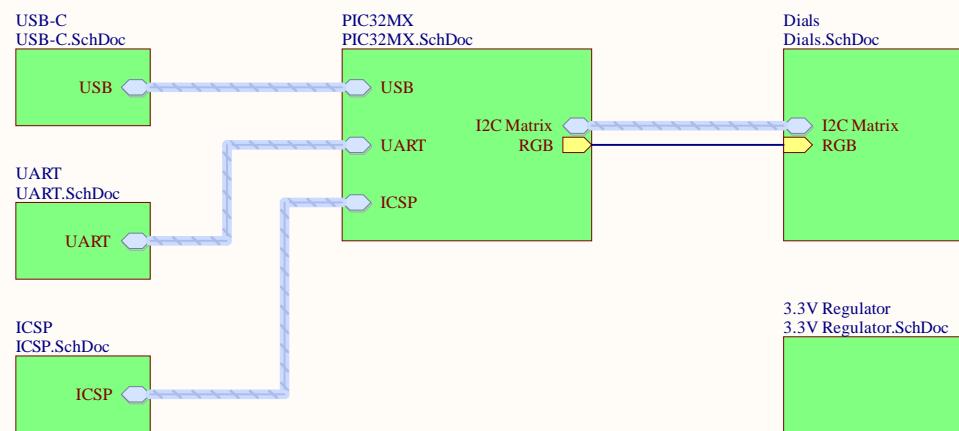
B

C

C

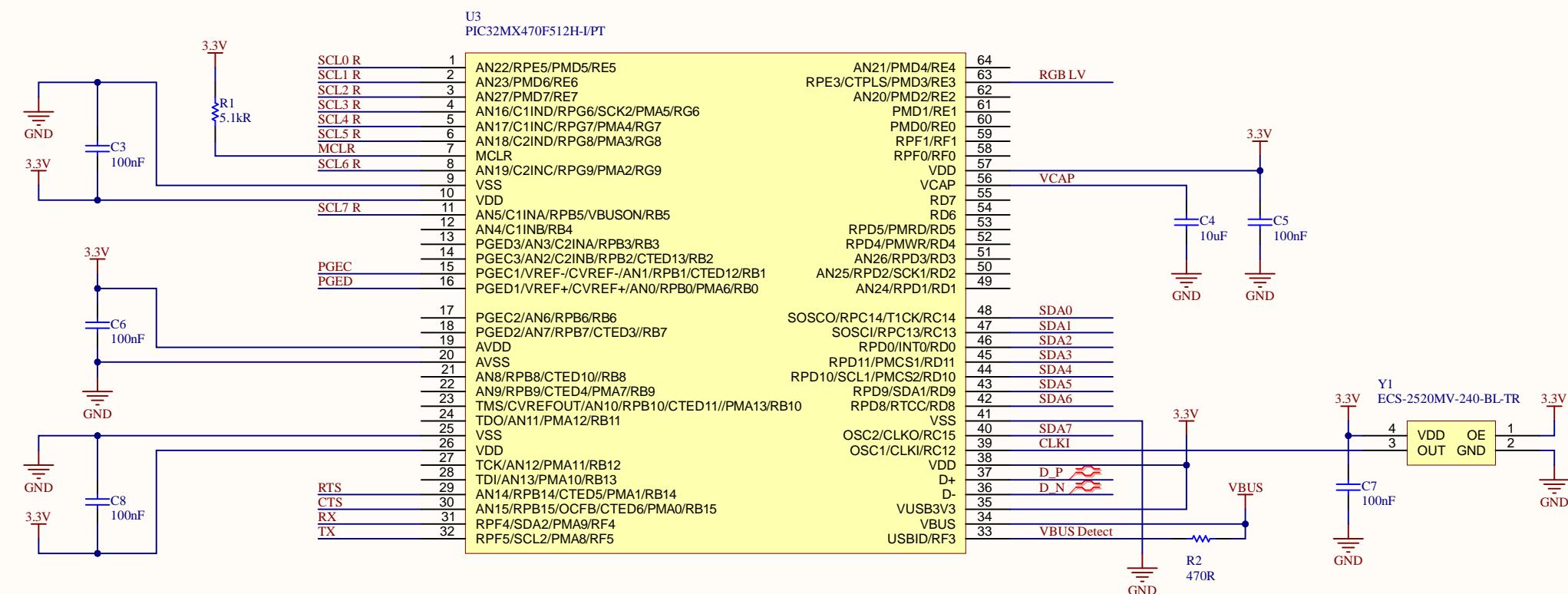
D

D

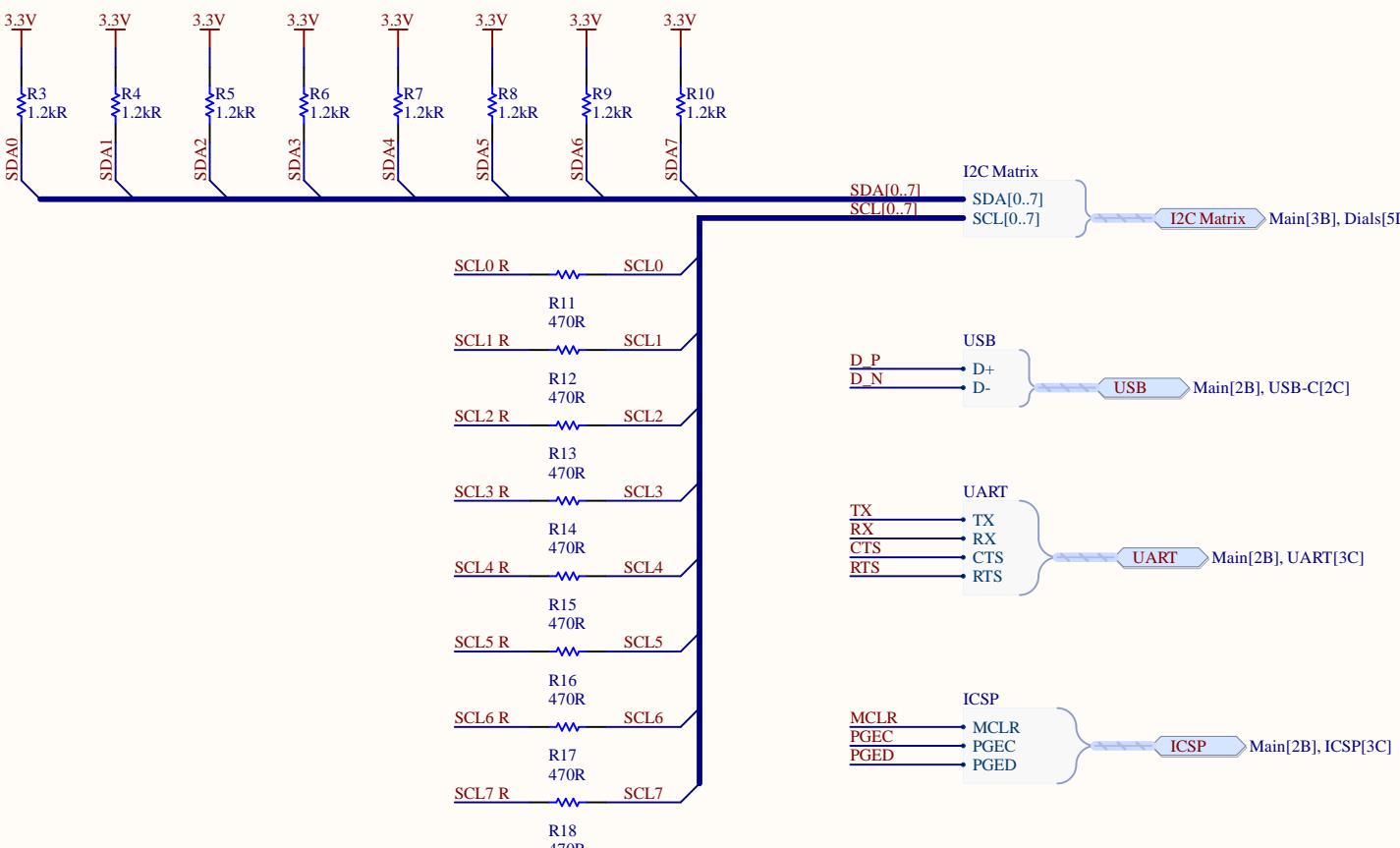


TITLE		
<b>Main.SchDoc</b>		
SIZE	PROJECT	VERSION
<b>A4</b>	<b>Magnetic Sequencer</b>	<b>v1.1</b>
VARIANT	[No Variations]	SHEET 1 OF 8
AUTHOR	Seb Madgwick	DATE 20/01/2023

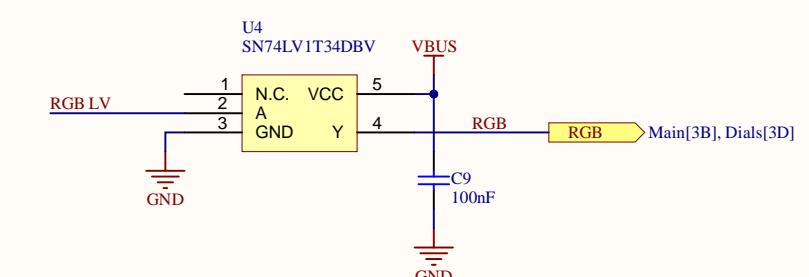
A

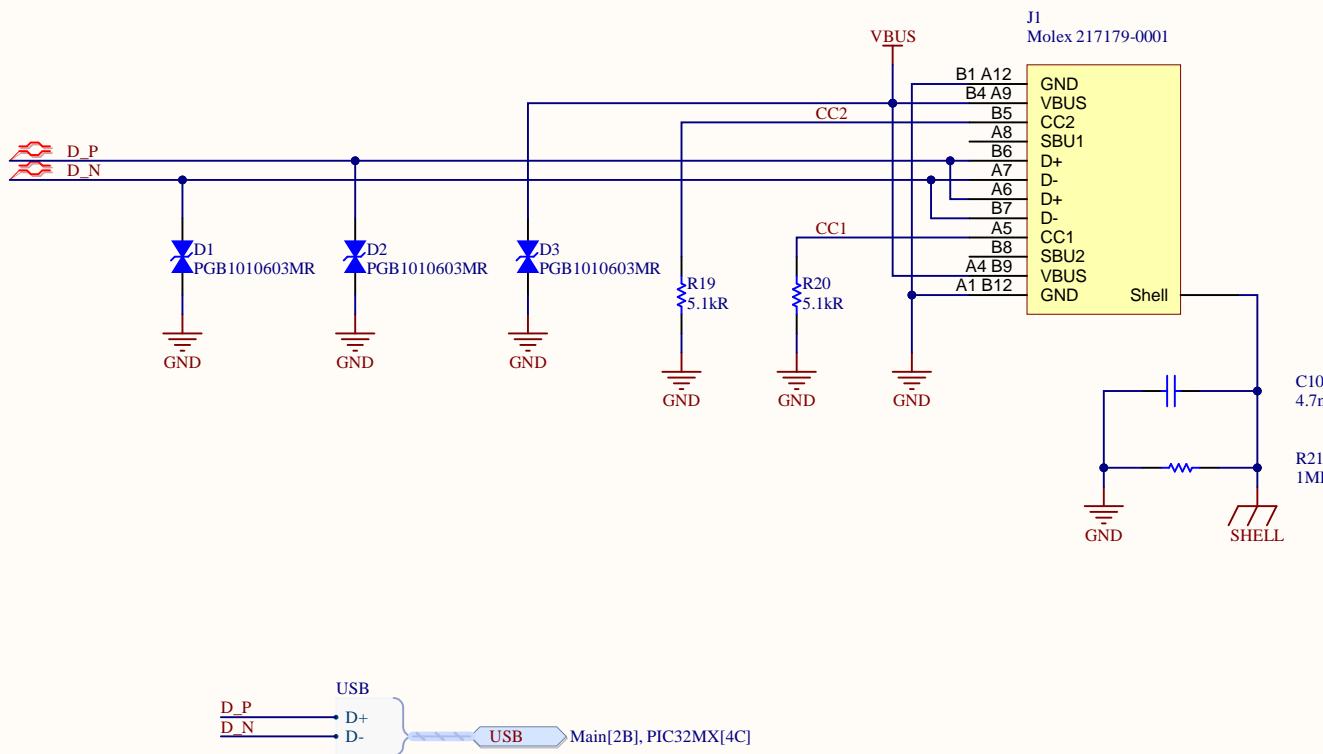


B



D





TITLE  
USB-C.SchDoc

SIZE	PROJECT	VERSION
A4	Magnetic Sequencer	v1.1
VARIANT	[No Variations]	SHEET 3 OF 8
AUTHOR	Seb Madgwick	DATE 20/01/2023

A

A

B

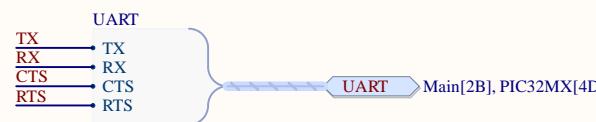
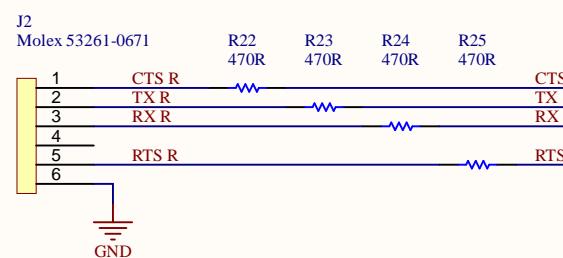
B

C

C

D

D



TITLE  
UART.SchDoc

SIZE A4  
PROJECT Magnetic Sequencer

VERSION v1.1  
SHEET 4 OF 8

VARIANT [No Variations]  
AUTHOR Seb Madgwick

DATE 20/01/2023

A

A

B

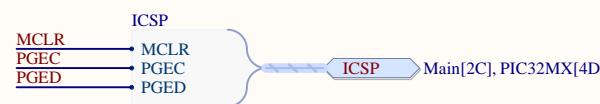
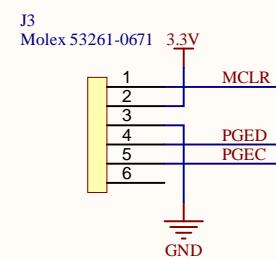
B

C

C

D

D

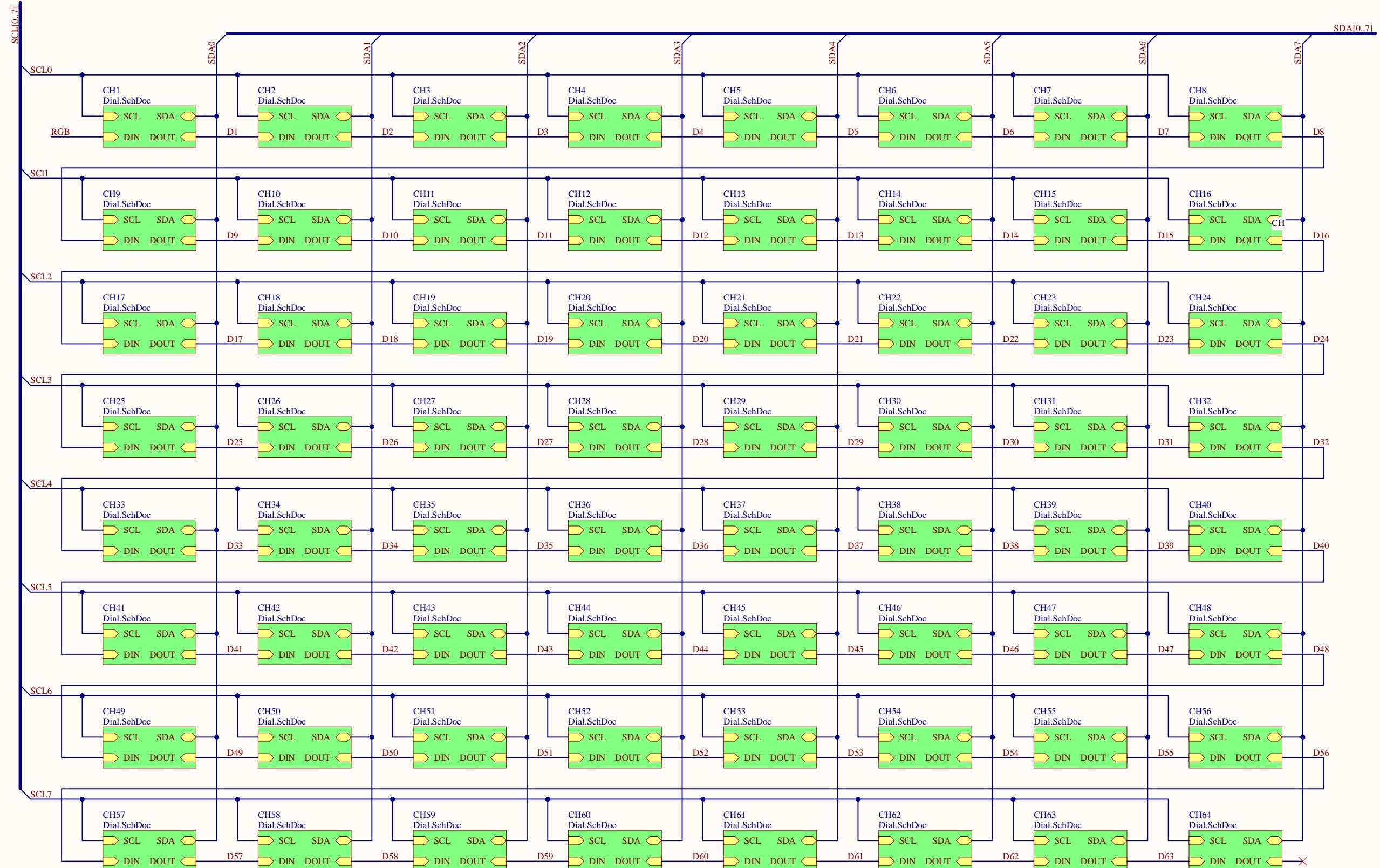


TITLE  
**ICSP.SchDoc**

SIZE **A4** PROJECT **Magnetic Sequencer**  
VERSION **v1.1**

VARIANT **[No Variations]**  
AUTHOR **Seb Madgwick**

SHEET **5** OF **8**  
DATE **20/01/2023**



I2C Matrix  
SDA[0..7]      SDA[0..7]  
SCL[0..7]      SCL[0..7]

TITLE	
Dials.SchDoc	
SIZE	PROJECT
A3	Magnetic Sequencer
VARIANT	[No Variations]
AUTHOR	Seb Madgwick
DATE	20/01/2023
VERSION	v1.1

A

A

B

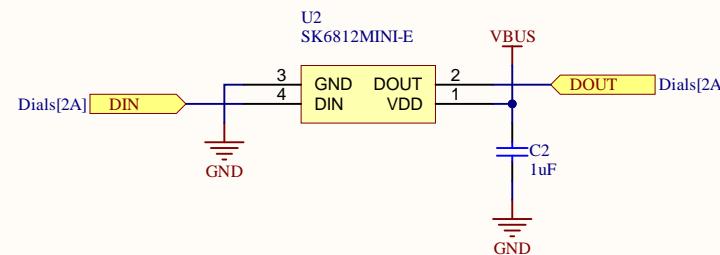
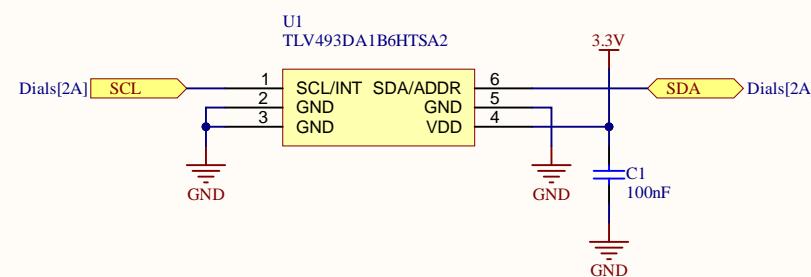
B

C

C

D

D



TITLE		Dial.SchDoc	
SIZE	PROJECT	VERSION	
A4	Magnetic Sequencer	v1.1	
VARIANT	[No Variations]	SHEET	7 OF 8
AUTHOR	Seb Madgwick	DATE	20/01/2023

A

A

B

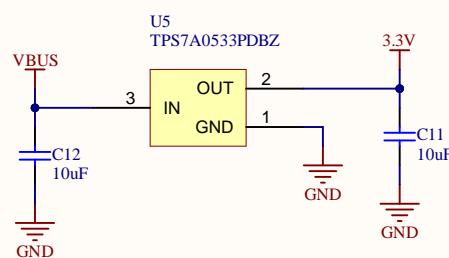
B

C

C

D

D



TITLE		
3.3V Regulator.SchDoc		
SIZE	PROJECT	VERSION
A4	Magnetic Sequencer	v1.1
VARIANT [No Variations]	SHEET 8 OF 8	
AUTHOR Seb Madgwick	DATE 20/01/2023	



ICSP

UART


U4  
R11  
R12  
R13  
R14  
R15  
R16  
R17  
R18  
C3

USB

D3  
D1  
D2  
J1  
R19  
R20  
R21


Magnetic Sequencer v1.1















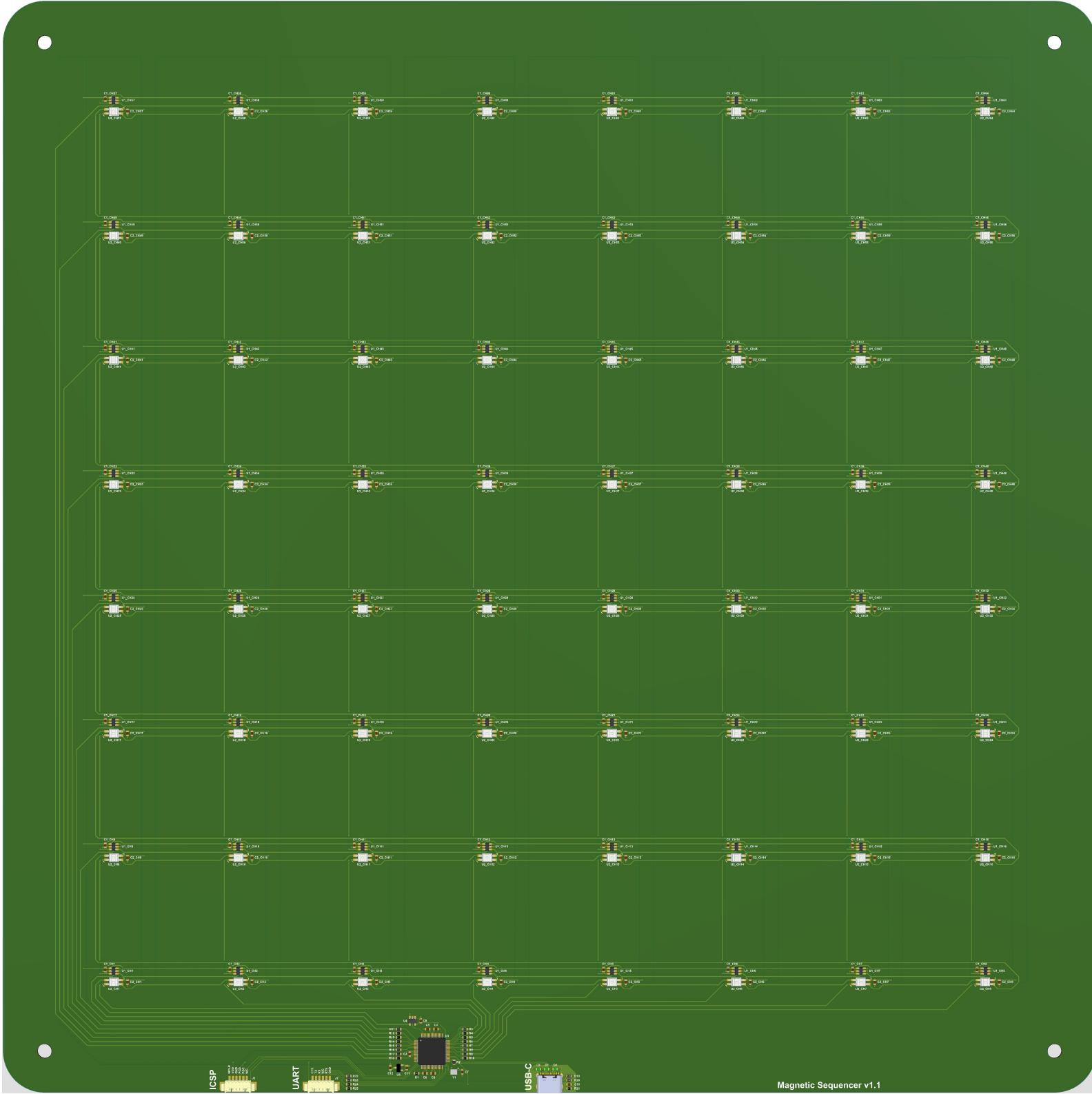




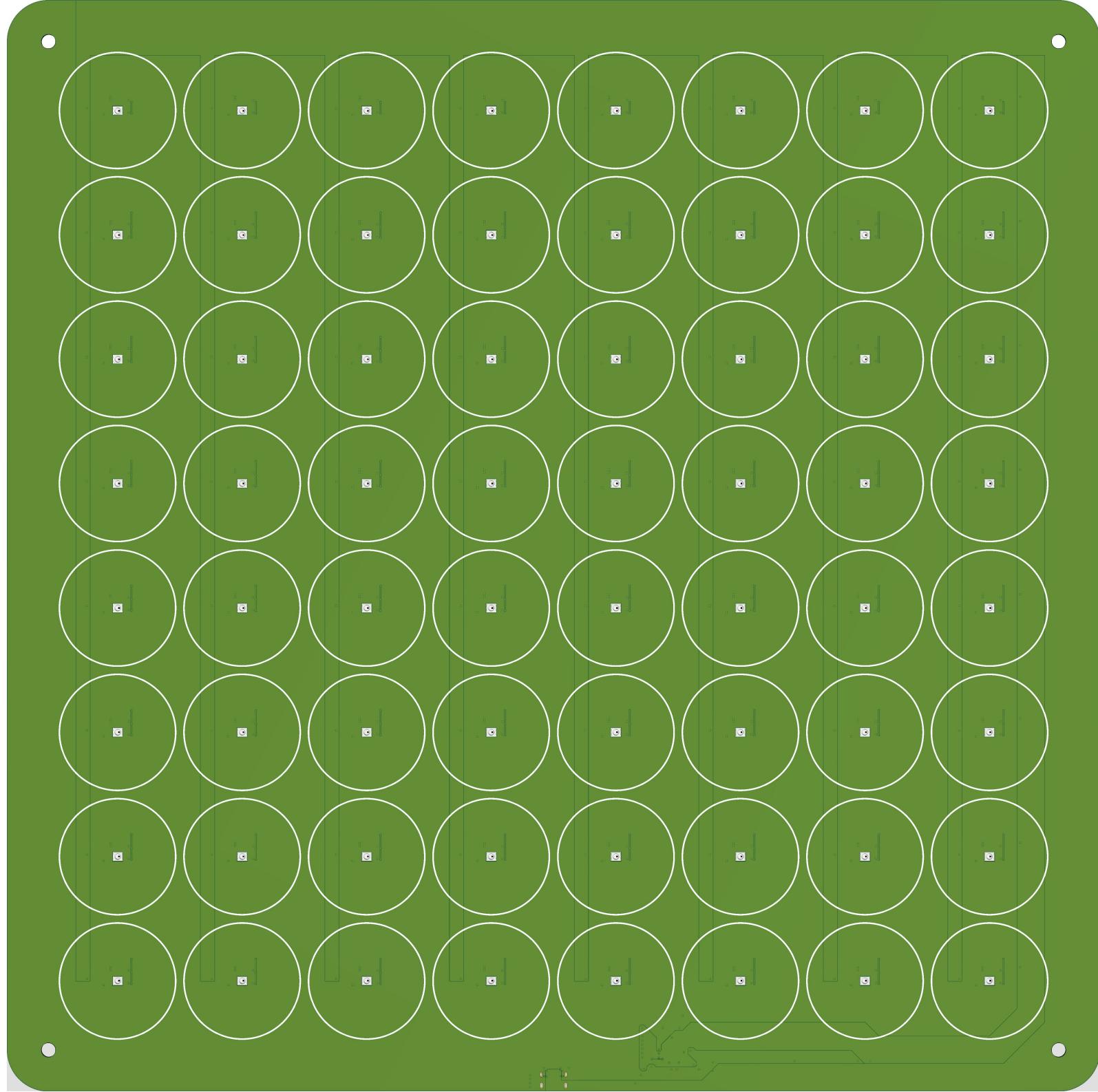


ICP MAX

Magnetic Sequencer v1.1



Magnetic Sequencer v1.1







ICSP

UART

USB-C

Magnetic Sequencer v1.1



Designator	Quantity	Comment	Footprint
C1_CH1, C1_CH2, C1_CH3, C1_CH4, C1_CH5, C1_CH6, C1_CH7, C1_CH8, C1_CH9, C1_CH10, C1_CH11, C1_CH12, C1_CH13, C1_CH14, C1_CH15, C1_CH16, C1_CH17, C1_CH18, C1_CH19, C1_CH20, C1_CH21, C1_CH22, C1_CH23, C1_CH24, C1_CH25, C1_CH26, C1_CH27, C1_CH28, C1_CH29, C1_CH30, C1_CH31, C1_CH32, C1_CH33, C1_CH34, C1_CH35, C1_CH36, C1_CH37, C1_CH38, C1_CH39, C1_CH40, C1_CH41, C1_CH42, C1_CH43, C1_CH44, C1_CH45, C1_CH46, C1_CH47, C1_CH48, C1_CH49, C1_CH50, C1_CH51, C1_CH52, C1_CH53, C1_CH54, C1_CH55, C1_CH56, C1_CH57, C1_CH58, C1_CH59, C1_CH60, C1_CH61, C1_CH62, C1_CH63, C1_CH64, C3, C5, C6, C7, C8, C9	70	100nF	Capacitor 0603
C2_CH1, C2_CH2, C2_CH3, C2_CH4, C2_CH5, C2_CH6, C2_CH7, C2_CH8, C2_CH9, C2_CH10, C2_CH11, C2_CH12, C2_CH13, C2_CH14, C2_CH15, C2_CH16, C2_CH17, C2_CH18, C2_CH19, C2_CH20, C2_CH21, C2_CH22, C2_CH23, C2_CH24, C2_CH25, C2_CH26, C2_CH27, C2_CH28, C2_CH29, C2_CH30, C2_CH31, C2_CH32, C2_CH33, C2_CH34, C2_CH35, C2_CH36, C2_CH37, C2_CH38, C2_CH39, C2_CH40, C2_CH41, C2_CH42, C2_CH43, C2_CH44, C2_CH45, C2_CH46, C2_CH47, C2_CH48, C2_CH49, C2_CH50, C2_CH51, C2_CH52, C2_CH53, C2_CH54, C2_CH55, C2_CH56, C2_CH57, C2_CH58, C2_CH59, C2_CH60, C2_CH61, C2_CH62, C2_CH63, C2_CH64	64	1uF	Capacitor 0603
C4, C11, C12	3	10uF	Capacitor 0603
C10	1	4.7nF	Capacitor 0603
D1, D2, D3	3	PGB1010603MR	Diode TVS 0603
J1	1	Molex 217179-0001	Molex 217179-0001
J2, J3	2	Molex 53261-0671	Molex 53261-0671
R1, R19, R20	3	5.1kR	Resistor 0603
R2, R11, R12, R13, R14, R15, R16, R17, R18, R22, R23, R24, R25	13	470R	Resistor 0603
R3, R4, R5, R6, R7, R8, R9, R10	8	1.2kR	Resistor 0603
R21	1	1MR	Resistor 0603
U1_CH1, U1_CH2, U1_CH3, U1_CH4, U1_CH5, U1_CH6, U1_CH7, U1_CH8, U1_CH9, U1_CH10, U1_CH11, U1_CH12, U1_CH13, U1_CH14, U1_CH15, U1_CH16, U1_CH17, U1_CH18, U1_CH19, U1_CH20, U1_CH21, U1_CH22, U1_CH23, U1_CH24, U1_CH25, U1_CH26, U1_CH27, U1_CH28, U1_CH29, U1_CH30, U1_CH31, U1_CH32, U1_CH33, U1_CH34, U1_CH35, U1_CH36, U1_CH37, U1_CH38, U1_CH39, U1_CH40, U1_CH41, U1_CH42, U1_CH43, U1_CH44, U1_CH45, U1_CH46, U1_CH47, U1_CH48, U1_CH49, U1_CH50, U1_CH51, U1_CH52, U1_CH53, U1_CH54, U1_CH55, U1_CH56, U1_CH57, U1_CH58, U1_CH59, U1_CH60, U1_CH61, U1_CH62, U1_CH63, U1_CH64	64	TLV493DA1B6HTSA2	SOT-23-6
U2_CH1, U2_CH2, U2_CH3, U2_CH4, U2_CH5, U2_CH6, U2_CH7, U2_CH8, U2_CH9, U2_CH10, U2_CH11, U2_CH12, U2_CH13, U2_CH14, U2_CH15, U2_CH16, U2_CH17, U2_CH18, U2_CH19, U2_CH20, U2_CH21, U2_CH22, U2_CH23, U2_CH24, U2_CH25, U2_CH26, U2_CH27, U2_CH28, U2_CH29, U2_CH30, U2_CH31, U2_CH32, U2_CH33, U2_CH34, U2_CH35, U2_CH36, U2_CH37, U2_CH38, U2_CH39, U2_CH40, U2_CH41, U2_CH42, U2_CH43, U2_CH44, U2_CH45, U2_CH46, U2_CH47, U2_CH48, U2_CH49, U2_CH50, U2_CH51, U2_CH52, U2_CH53, U2_CH54, U2_CH55, U2_CH56, U2_CH57, U2_CH58, U2_CH59, U2_CH60, U2_CH61, U2_CH62, U2_CH63, U2_CH64	64	SK6812MINI-E	SK6812MINI-E
U3	1	PIC32MX470F512H-I/PT	TQFP-64
U4	1	SN74LV1T34DBV	SOT-23-5
U5	1	TPS7A0533PDBZ	SOT-23
Y1	1	ECS-2520MV-240-BL-TR	ECS-2520MV-240-BL-TR